ABSTRACT OF THE DISCLOSURE

The present invention relates to a biological microarray element comprising a support having disposed thereon at least one layer comprising filler and gelatin, and at least one functional compound, wherein the functional compound comprises a first functional group capable of interacting with gelatin and a second functional group capable of interacting with a biological capture agent, wherein the first functional group is the same as or different from the second functional group. Also provided is a method of making a biological microarray element comprising providing a support; and coating a layer comprising filler and gelatin and at least one functional compound, wherein the functional compound comprises a first functional group capable of interacting with the gelatin and a second functional group capable of interacting with a biological capture agent, wherein the first functional group is the same as or different from the second functional group.